

8. (Amended) The positively charged microporous membrane of claim 1 or 2, wherein the crosslinked coating includes a copolymer of comprising diallylamine, ~~diallyldialkylammonium halide~~, an acrylic monomer having a quaternary ammonium group, and a crosslinking agent.

9. (Amended) The positively charged microporous membrane of claim 1 or 2, wherein the crosslinked coating includes an acrylic polymer having epoxy groups and pendant positively charged groups and a copolymer comprising a polyamine and a glycidyl compound having a positively charged group.

11. (Amended) The positively charged microporous membrane of ~~any of claims 1-10, claim~~ 1, wherein the positively charged group includes a quaternary ammonium ~~groups~~ group.

12. (Amended) The positively charged microporous membrane of ~~any of claims 1-10, claim~~ 1, wherein the positively charged group is linked through a spacer group.

15. (Amended) The positively charged microporous membrane of claim 5 or 6, wherein the diallylamine copolymer or acrylic copolymer includes a polymerized acrylic monomer.

20. (Amended) The positively charged microporous membrane of claim 8 or 19, wherein the acrylic monomer is an acryloylaminooalkyl or acryloyloxyalkyl trialkylammonium halide.

24. The positively charged microporous membrane of claim 11, 10, wherein the positively charged group is linked to the polyethyleneimine through a reaction with a glycidyl compound having a positively charged group.

25. (Amended) The positively charged microporous membrane of claim 11 or 24, wherein the coating is crosslinked through a reaction with a polyglycidyl compound.

26. (Amended) The positively charged microporous membrane of ~~any of claims 1-25, claim~~ 1, wherein the porous substrate comprises a substrate polymer.

31. (Amended) The positively charged microporous membrane of claim 29 or 30, wherein the porous substrate is hydrophilic.

34. (Amended) The process of claim 32 or 33, wherein the amine reactive compound is a glycidyl trialkylammonium halide.

40. The process of claim 33, 34, wherein the polyalkyleneamine comprises pentaethylenehexamine.

43. (Amended) A process for preparing a microporous membrane comprising a porous support and a diallylamine copolymer having pendant positively charged groups linked to the diallylamine copolymer through spacer groups, the process comprising:

- (a) providing a porous substrate;
- (b) contacting the substrate with a ~~composition~~ copolymer comprising a ~~copolymer of a~~ diallylamine, ~~diallyldiallylammonium halide~~, an acrylic monomer having a ~~quaternary ammonium~~ positively charged group, and a crosslinking agent;
- (c) curing the substrate obtained in (b) to obtain the ~~positively charged~~ microporous membrane; and
- (d) optionally, extracting the membrane obtained in (c) to remove extractable residue therein.

45. (Amended) The process of claim 43 or 44, wherein the acrylic monomer having a ~~quaternary ammonium~~ positively charged group is an acrylamide or acrylic ester having a ~~quaternary ammonium~~ positively charged group.

46. (Amended) A process for preparing a microporous membrane comprising a porous support and an acrylic polymer having pendant positively charged groups linked to the acrylic polymer:

- (a) providing a porous substrate;
- (b) contacting the substrate with a composition comprising an acrylic copolymer having pendant positively charged groups and epoxy groups and a polyalkyleneamine modified to have pendant positively charged groups;

(c) curing the substrate obtained in (b) to obtain the ~~positively charged microporous~~ membrane; and
(d) optionally, extracting the membrane obtained in (c) to remove extractable residue therein.

51. (Amended) The process of ~~any of claims 32, 43, 46, and 50, claim 32~~, wherein the positively charged group is quaternary ammonium.

58. (Amended) The process of ~~any of claims 50 and 52-57, claim 50~~, wherein the coating is crosslinked by a polyglycidyl compound.

60. (Amended) The process of ~~any of claims 32-59, claim 32~~, wherein the extraction is carried out in water.

61. (Amended) The process of ~~any of claims 32-59, claim 32~~, wherein the porous substrate is hydrophilic.

62. (Amended) The process of ~~any of claims 32-61, claim 32~~, wherein the porous substrate comprises a polymer.

64. (Amended) The process of claim ~~62, 32~~, wherein the porous substrate comprises polysulfone.

65. (Amended) The membrane prepared by the process of ~~any of claims 32-64 claim 32~~.

66. (Amended) A device comprising the positively charged microporous membrane of ~~any of claims 1-55 and 65 claim 1~~.

67. (Amended) A process for separating negatively charged material from a fluid, the process comprising placing the fluid in contact with the positively charged microporous membrane of ~~any of claims 1-32 and 65 claim 1~~ so as to adsorb or absorb the negatively charged material to the membrane.

70. (Amended) The process of claim 67, wherein the negatively charged ~~materials include~~
material includes nucleic acids, endotoxins, host cell proteins, viruses, ~~and~~or lipids.

72. (Amended) The process of claim 70, wherein the host cell protein is an antibody.